

METHOD AND APPARATUS FOR MANUFACTURING MATS

ABSTRACT

5 An apparatus for manufacturing mats includes first and second main
rollers, applying rollers for applying first and second molten plastic
materials over the first and the second main rollers, and scraping blades;
each main roller has recess patterns on an outer side, and heating tubes
and cooling water supplying pipes disposed therein; pressing rollers are
10 respectively in contact with the first and the second main rollers for
guiding leather between them and the main rollers; thus, a leather has
plastic layers adhered to both sides thereof after passing the second main
roller, which plastic layers have three dimensional patterns owing to the
recess patterns of the main rollers; the blades scraping some plastic
15 materials off the main rollers before the materials stick to the leather; the
leather is cut into mats of desired shape afterwards, and colors of two
sides can be changed according to the colors of the plastic materials.